

**APPENDIX B**  
**ENVIRONMENTAL SYNOPSIS FOR PROCUREMENT**  
**OF LOW-LEVEL MIXED WASTE THERMAL**  
**TREATMENT SERVICES, 10 CODE OF FEDERAL**  
**REGULATIONS 1021.216**

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Westinghouse  
Hanford Company

P.O. Box 1970 Richland, WA 99352

November 2, 1995

9555821

Mr. R. F. Guercia, Program Manager  
Solid Waste  
U.S. Department of Energy  
Richland Operations Office  
Richland, Washington 99352

Dear Mr. Guercia:

ENVIRONMENTAL SYNOPSIS FOR PROCUREMENT OF LOW-LEVEL MIXED WASTE THERMAL  
TREATMENT SERVICES, 10 CODE OF FEDERAL REGULATIONS 1021.216

Reference: Letter, R. H. Engelmann, WHC, to R. F. Guercia, RL,  
Environmental Critique for Procurement of Low-Level Mixed Waste  
Thermal Treatment Services, 10 Code of Federal Regulations  
1021.216, Number 9552624, dated May 12, 1995.

The Westinghouse Hanford Company (WHC) is pleased to transmit the enclosed Environmental Synopsis (ES) for procurement of low-level mixed waste thermal treatment services. During the procurement process, an Environmental Critique (EC) was prepared by WHC pursuant to requirements presented in the U.S. Department of Energy's National Environmental Policy Act (NEPA) Implementing Procedures and Guidelines (10 Code of Federal Regulations [CFR] 1021.216). The purpose of this EC was to support the decision to select a proposal to thermally treat some of the Solid Waste Program's low-level mixed waste.

Pursuant to 10 CFR 1021.216[h] a publicly available ES based on the EC must be prepared to document consideration given to environmental factors and to record the relevant environmental consequences of reasonable alternatives that have been evaluated in the selection process. As specified in 10 CFR 1021.216[h], the ES is not to contain business, confidential, trade secret or other information that the U.S. Department of Energy otherwise would not disclose. Nor is it contain data or other information that may in any way reveal the identity of offerors.

After a selection has been made, the ES is required to be filed with the U.S. Environmental Protection Agency and shall be made public.

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Mr. R. F. Guercia  
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If you have any questions, please feel free to contact either myself on 376-7485 or Mr. C. H. Eccleston of my staff, on 376-9364.

Very truly yours,



R. H. Engelmann, Manager  
NEPA Services  
Environmental Services

dak

Attachment

RL - K. D. Bazzell  
S. R. Brechbill  
R. M. Carosino  
P. F. X. Dunigan  
A. H. Wirkkala (w/o attachment)

**ENVIRONMENTAL SYNOPSIS**  
**FOR**  
**THE SOLID WASTE THERMAL TREATMENT**

**U.S. DEPARTMENT OF ENERGY'S 10 CFR 1021.216 PROCESS**

**HANFORD SITE, RICHLAND WASHINGTON**  
**U.S. DEPARTMENT OF ENERGY**

**October 1995**

## ENVIRONMENTAL SYNOPSIS FOR THE SOLID WASTE THERMAL TREATMENT, U.S. DEPARTMENT OF ENERGY'S (DOE) HANFORD SITE, RICHLAND WASHINGTON

An inventory of radioactive and hazardous waste is stored at the U.S. Department of Energy's (DOE) Hanford Site located near Richland, Washington. Part of this inventory includes low-level mixed waste (LLMW) which contains both low-level radioactive and hazardous constituents. Some of the LLMW contains constituents that need to be thermally treated to meet regulatory standards for eventual disposal. Because of the high capital cost associated with constructing and operating a treatment facility, the DOE directed its Management and Operations contractor, Westinghouse Hanford Company (WHC), to seek an outside contractor to treat this waste.

### THE DEPARTMENT OF ENERGY'S NATIONAL ENVIRONMENTAL POLICY ACT REQUIREMENTS

Requirements of the National Environmental Policy Act (NEPA) of 1969 must be met before a final decision can be made to pursue a federal action. Additional requirements also apply to certain types of procurement actions, if such actions are pursued prior to completing the NEPA process. Specifically, such procurement actions may be subject to DOE's NEPA Implementing Procedures and Guidelines (10 Code Of Regulations 1021.216), referred to as the 216 Process. The 216 Process is intended to insure that environmental factors are considered in awarding a contract before the NEPA process has been completed.

Under the 216 Process, an environmental critique (EC) must be prepared to evaluate and compare proposals, providing environmental information that will be considered in the procurement selection process. Once a decision has been made to select an offeror's proposal, an Environmental Synopsis (ES) is prepared, based on the environmental critique, to publicly record consideration given to environmental factors in the selection process. The ES may not contain proprietary or other information that DOE is prohibited from disclosing. A substantial amount of the data submitted in the offeror's proposals is considered to be proprietary and cannot be discussed in this ES. Upon completing the 216 process, a contract may be awarded contingent on successfully completing the NEPA process.

In April of 1994, WHC issued an Request for Proposal (RFP) inviting outside parties to submit proposals for thermally treating Hanford Site LLMW. Proposals were received in response to this RFP. Consistent with the 216 Process requirements, this ES has been prepared, based on information provided in the EC, to record consideration given to environmental factors during the selection process.

## ENVIRONMENTAL FACTORS THAT HAVE BEEN CONSIDERED

Each of the proposals were screened, for environmental concerns, against criteria shown below.

- (1) Is there a history of significant environmental violations in the company's past business practices?
- (2) Is the proposal in accordance with all existing environmental laws, regulations, and requirements?

### Results of Past Environmental Violations

With respect to the first environmental concern, a background check was conducted by WHC to determine if there is a history of environmental violations on the part of any of the offerors. The review of past business practices, indicates that no substantial environmental violations were associated with any of the offerors past business practices.

### Compliance with Existing Environmental Regulations

In reviewing the second environmental concern, an effort was conducted to determine the principal permits, approvals, and authorizations that would need to be obtained for each proposal. There is no evidence that any of the proposals would violate existing environmental laws, regulations, and requirements.

### THE SELECTED OFFEROR

Allied Technology Group (ATG), located in Richland, Washington, has been selected to supply thermal treatment services on Hanford Site LLMW. ATG's proposal involves construction and operation of a thermal treatment facility, at a currently licensed low-level waste processing facility, located on a 20 acre site owned by ATG.

The selected proposal is based on a continuous operating, non-incineration thermal treatment process. A high temperature gasification/vitrification system would be used to thermally treat the LLMW, producing a vitrified waste form.

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